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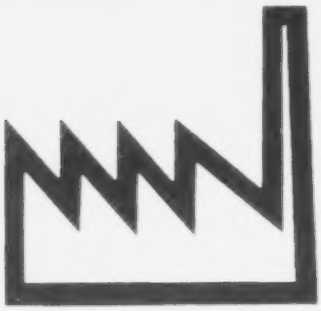

PRELIMINARY REPORT
INDUSTRY SERIES

1987 Census of Manufactures

MC87-I-20H(P)
Issued June 1989

BEVERAGES

Industries 2082, 2083, 2084, 2085, 2086, and 2087

INTRODUCTION

This report presents preliminary statistics from the 1987 Census of Manufactures for those establishments classified in the industries listed above. These data will be superseded by a more comprehensive final paperbound report. The method of data collection and use of administrative data are discussed in detail in the appendix.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

The definitions of these industries are the same as those used in the 1987 Standard Industrial Classification (SIC) Manual.[1]

INDUSTRY 2082, MALT BEVERAGES

In the 1987 Census of Manufactures, Industry 2082, Malt Beverages, had employment of 31.7 thousand. The employment figure was 26 percent below the 43.0 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 7 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was $13.6 billion.

In 1987, establishments in this industry accounted for 100 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was also 100 percent. The products primary to this industry appear in table 2 and aggregated to $13.5 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $6.3 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2083, MALT

In the 1987 Census of Manufactures, Industry 2083, Malt, had employment of 1.4 thousand. The employment figure was 18 percent below the 1.7 thousand reported in 1982.

The total value of shipments for establishments classified in this industry was $526.4 million. The products primary to this industry appear in table 2 and aggregated to $530.0 million in 1987.

The cost of materials and services used by establishments in this industry amounted to $365.5 million in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2084, WINES, BRANDY, AND BRANDY SPIRITS

In the 1987 Census of Manufactures, Industry 2084, Wines, Brandy, and Brandy Spirits, had employment of 13.4 thousand. The employment figure was 14 percent above the 11.8 thousand reported in 1982. Compared with 1986, employment in 1987 increased 2 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

[1] **Standard Industrial Classification Manual: 1987.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

Address inquiries to Bureau of the Census, Industry Division, Washington, DC 20233, or call **Robert F. Miller** (301) 763-2510.

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BUREAU OF THE CENSUS

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The total value of shipments for establishments classified in this industry was $3.2 billion.

In 1987, establishments in this industry acccounted for 98 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was also 98 percent. The products primary to this industry appear in table 2 and aggregated to $3.1 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $1.8 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2085, DISTILLED AND BLENDED LIQUORS

In the 1987 Census of Manufactures, Industry 2085, Distilled and Blended Liquors, had employment of 8.8 thousand. The employment figure was 28 percent below the 12.2 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 11 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of production for establishments classified in this industry was $3.4 billion.

In 1987, establishments in this industry accounted for 95 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 96 percent. The products primary to this industry appear in table 2 and aggregated to $3.1 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $1.5 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2086, BOTTLED AND CANNED SOFT DRINKS

In the 1987 Census of Manufactures, Industry 2086, Bottled and Canned Soft Drinks, had employment of 95.3 thousand. The employment figure was 16 percent below the 113.8 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 7 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was $22.0 billion.

In 1987, establishments in this industry accounted for 96 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was also 96 percent. The products primary to this industry appear in table 2 and aggregated to $19.8 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $13.4 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2087, FLAVORING EXTRACTS AND SYRUPS, N.E.C.

In the 1987 Census of Manufactures, Industry 2087, Flavoring Extracts and Syrups, N.E.C., had employment of 9.0 thousand. The employment figure was 22 percent below the 11.6 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 20 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was $4.6 billion.

In 1987, establishments in this industry accounted for 90 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 88 percent. The products primary to this industry appear in table 2 and aggregated to $4.9 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $1.4 billion in 1987. Data on specific materials consumed appear in table 3.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables in this publication:

-	Represents zero.
(D)	Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA)	Not available.
(NC)	Not comparable.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
(X)	Not applicable.
(Z)	Less than half the unit shown.
do	Ditto.
n.e.c.	Not elsewhere classified.
n.s.k.	Not specified by kind.
pt.	Part.
r	Revised.
SIC	Standard Industrial Classification.

Other abbreviations, such as lb, gal, yd, doz, bbl, and s tons, are used in the customary sense.

CONTACTS FOR DATA USERS

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Census/ASM		
Durables	Kenneth Hansen	(301) 763-7304
Nondurables	Michael Zampogna	(301) 763-2510
Current Industrial Reports		
Durables	Malcolm Bernhardt	(301) 763-2518
Nondurables	Thomas Flood	(301) 763-5911
Import/Export Publications	Foreign Trade Division	(301) 763-5140
Industry Analysis and Forecasts	International Trade Administration	(202) 377-4356

Table 1. Historical Statistics for the Industry: 1987 and Earlier Years

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix.]

Year[1]	Companies[2] (no.)	All establishments[3] Total (no.)	All establishments[3] With 20 employees or more (no.)	All employees Number (1,000)	All employees Payroll (million dollars)	Production workers Number (1,000)	Production workers Hours (millions)	Production workers Wages (million dollars)	Value added by manufacture[4] (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories[4] (million dollars)	Ratios Specialization (percent)	Ratios Coverage (percent)
INDUSTRY 2082, MALT BEVERAGES															
1987 Census	32	132	63	31.7	1 354.1	22.6	44.7	926.9	7 267.5	6 307.9	13 602.0	474.7	606.1	100	100
1986 ASM	(NA)	(NA)	(NA)	34.0	1 255.1	24.8	50.5	890.9	6 184.5	6 502.5	12 677.9	578.3	669.8	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	40.3	1 357.8	27.0	52.6	952.2	5 681.3	6 529.1	12 215.8	372.2	669.3	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	38.8	1 313.6	27.4	51.8	931.8	5 393.7	6 485.0	11 868.2	594.1	679.1	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	40.7	1 302.6	28.5	55.1	892.0	5 324.6	6 443.2	11 797.5	599.8	637.7	(NA)	(NA)
1982 Census	67	109	73	43.0	1 307.9	29.5	57.5	883.5	4 534.8	6 669.7	11 183.2	665.0	654.7	100	100
1981 ASM	(NA)	(NA)	(NA)	43.7	1 247.4	30.1	59.1	857.0	3 842.4	6 339.3	10 178.9	665.7	535.0	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	43.2	1 122.2	30.5	60.6	793.1	3 639.4	5 753.6	9 361.7	647.6	548.0	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	43.9	1 051.8	31.3	61.4	752.7	3 190.5	5 177.1	8 352.5	644.7	537.5	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	45.6	972.5	32.1	64.2	675.6	2 990.6	4 722.7	7 539.4	470.8	654.3	(NA)	(NA)
1977 Census	81	131	91	44.0	857.5	31.1	61.1	589.1	2 602.3	4 045.1	6 652.6	410.3	444.6	100	100
1976 ASM	(NA)	(NA)	(NA)	42.7	750.6	29.4	59.3	505.3	2 266.3	3 698.6	6 024.5	525.5	393.6	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	47.1	725.9	32.6	64.0	492.7	2 008.2	3 651.8	5 640.8	409.2	428.3	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	50.1	729.7	34.6	69.4	491.2	1 999.2	3 163.4	5 047.3	394.2	461.6	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	49.1	657.5	33.8	67.1	437.0	1 962.9	2 393.2	4 344.6	236.8	260.7	(NA)	(NA)
1972 Census	108	167	130	51.5	652.8	33.8	66.9	408.7	1 993.6	2 066.5	4 054.4	155.6	205.1	100	100
INDUSTRY 2083, MALT															
1987 Census	15	26	19	1.4	43.9	1.1	2.2	32.1	151.5	365.5	526.4	13.4	137.4	100	(D)
1986 ASM	(NA)	(NA)	(NA)	1.5	41.0	1.1	2.2	29.6	162.5	368.1	538.6	[2]13.5	137.3	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	1.6	43.7	1.2	2.5	32.0	161.8	393.4	571.3	29.1	147.5	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	1.6	45.0	1.2	2.4	32.9	162.2	435.3	586.7	[2]20.6	168.8	(NA)	(NA)
1983 ASM[5]	(NA)	(NA)	(NA)	1.6	42.9	1.2	2.5	31.2	135.7	414.5	587.1	[2]54.8	129.5	(NA)	(NA)
1982 Census	24	36	25	1.7	42.9	1.3	2.7	31.9	166.2	480.0	661.5	29.5	167.8	100	(D)
1981 ASM[5]	(NA)	(NA)	(NA)	1.6	43.9	1.2	2.5	28.4	192.2	542.6	742.5	27.5	165.8	(NA)	(NA)
1980 ASM[5]	(NA)	(NA)	(NA)	1.6	39.8	1.2	2.6	25.8	162.2	529.2	679.9	36.2	202.5	(NA)	(NA)
1979 ASM[5]	(NA)	(NA)	(NA)	1.5	37.7	1.1	2.2	23.2	135.4	429.2	536.3	56.8	162.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	1.7	29.8	1.2	2.4	20.8	103.3	339.9	445.2	44.8	125.2	(NA)	(NA)
1977 Census	27	40	27	1.6	27.4	1.2	2.5	20.0	101.4	377.7	499.3	39.6	134.2	100	100
1976 ASM	(NA)	(NA)	(NA)	1.6	24.4	1.2	2.4	18.2	87.4	436.4	547.2	17.8	145.9	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	1.7	23.8	1.3	2.5	17.3	121.6	463.2	591.4	19.4	165.0	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	1.7	22.3	1.3	2.6	16.6	107.8	397.6	478.9	9.0	176.2	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	1.5	20.0	1.2	2.4	14.6	72.6	215.6	277.2	2.6	107.3	(NA)	(NA)
1972 Census	30	40	26	1.7	20.0	1.3	2.5	14.8	55.0	168.5	226.3	7.9	80.0	97	99
INDUSTRY 2084, WINES, BRANDY, AND BRANDY SPIRITS															
1987 Census	458	496	108	13.4	328.2	7.0	12.7	143.6	1 311.7	1 811.3	3 167.2	98.0	1 106.8	99	98
1986 ASM	(NA)	(NA)	(NA)	13.1	318.1	7.0	13.2	146.0	1 234.1	1 936.4	3 162.6	112.1	1 098.8	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	13.2	296.6	7.1	13.5	139.8	1 063.1	1 674.1	2 763.4	112.1	1 059.3	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	12.2	274.2	7.0	13.2	134.7	1 080.7	1 627.6	2 694.8	[2]93.4	1 037.6	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	11.8	257.3	6.7	12.6	131.5	1 058.2	1 711.1	2 836.6	[2]97.7	1 050.0	(NA)	(NA)
1982 Census	324	366	103	11.8	245.8	6.6	12.8	125.4	996.7	1 762.9	2 785.7	136.8	1 113.9	98	98
1981 ASM	(NA)	(NA)	(NA)	11.3	205.8	6.7	12.3	108.5	888.0	1 546.7	2 407.5	83.2	866.4	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	11.2	191.1	6.7	12.3	100.4	811.3	1 459.4	2 188.6	58.9	852.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	12.0	177.5	7.7	14.9	99.0	764.6	1 281.7	1 954.4	77.7	769.0	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	10.0	154.7	5.9	11.2	80.7	557.5	1 064.3	1 559.2	74.2	643.8	(NA)	(NA)
1977 Census	233	269	76	9.2	134.1	5.4	10.5	69.6	510.4	893.8	1 362.5	51.1	559.5	98	97
1976 ASM	(NA)	(NA)	(NA)	10.4	132.7	5.8	10.9	67.0	539.4	707.2	1 212.6	41.3	551.5	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	10.6	131.0	6.3	11.8	66.3	500.0	685.0	1 197.0	48.1	543.7	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	10.2	117.1	6.0	12.2	58.5	771.6	672.5	1 366.3	55.6	545.9	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	9.8	96.6	6.5	12.5	49.0	446.6	608.0	886.3	44.7	449.5	(NA)	(NA)
1972 Census	183	213	74	9.4	91.5	5.6	11.8	48.1	407.9	536.7	865.0	43.7	378.3	98	96
INDUSTRY 2085, DISTILLED AND BLENDED LIQUORS[7]															
1987 Census	47	70	56	8.8	238.6	6.3	12.4	161.1	2 043.7	1 508.7	3 420.4	43.9	1 237.1	99	95
1986 ASM	(NA)	(NA)	(NA)	9.9	261.4	6.8	13.6	173.0	1 845.3	1 730.2	3 504.3	41.4	1 325.7	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	10.5	267.6	7.4	15.1	181.6	1 690.9	1 846.1	3 494.8	37.3	1 301.1	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	11.3	268.1	7.8	16.0	184.9	1 685.2	1 744.9	3 404.9	[2]48.1	1 170.9	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	11.3	261.1	8.2	16.9	184.3	1 534.7	1 839.3	3 396.7	[2]87.2	1 208.2	(NA)	(NA)
1982 Census	71	104	75	12.2	263.8	8.9	18.0	182.7	1 460.1	1 700.5	3 126.1	90.0	1 266.6	97	96
1981 ASM	(NA)	(NA)	(NA)	13.7	264.3	10.3	20.9	184.5	1 764.5	1 860.2	3 605.0	54.3	1 125.7	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	14.3	252.5	11.1	22.0	181.1	1 849.0	1 562.2	3 389.3	53.8	1 091.9	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	15.4	260.4	12.0	23.6	190.7	1 585.0	1 435.6	2 995.5	47.3	1 172.1	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	15.7	247.2	12.3	24.0	183.0	1 324.6	1 367.0	2 683.5	33.8	1 119.9	(NA)	(NA)
1977 Census	64	104	77	15.7	232.1	12.0	23.8	168.1	1 149.7	1 163.0	2 296.1	36.3	1 027.9	98	98
1976 ASM	(NA)	(NA)	(NA)	15.9	210.6	11.9	24.0	151.4	1 100.9	1 013.1	2 115.1	29.4	1 018.8	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	16.3	198.0	12.3	24.5	141.7	1 055.6	948.0	2 003.5	30.3	1 051.1	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	16.7	188.2	12.6	25.0	135.2	989.0	876.9	1 863.8	21.7	1 016.9	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	17.4	186.6	13.3	27.0	136.2	995.5	831.0	1 816.6	26.9	923.9	(NA)	(NA)
1972 Census	76	121	96	18.4	183.1	14.5	28.6	132.5	1 024.0	784.8	1 797.9	32.8	920.7	98	99
INDUSTRY 2086, BOTTLED AND CANNED SOFT DRINKS															
1987 Census	837	1 167	776	95.3	2 268.7	35.5	71.8	749.0	8 648.1	13 400.9	22 019.5	567.6	996.6	98	96
1986 ASM	(NA)	(NA)	(NA)	102.0	2 348.1	35.5	73.5	718.0	8 215.4	12 483.1	20 686.8	560.7	997.7	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	105.8	2 344.8	37.2	77.8	707.9	7 587.2	11 830.7	19 358.2	720.8	1 032.7	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	110.4	2 282.8	39.8	81.7	694.9	7 141.8	10 941.1	18 052.0	694.1	915.5	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	112.3	2 244.8	41.5	85.1	701.5	7 086.1	10 248.5	17 320.8	680.5	885.0	(NA)	(NA)
1982 Census	1 236	1 626	1 094	113.8	2 146.4	42.4	85.2	668.3	6 856.1	9 981.3	16 807.5	649.5	887.9	98	96
1981 ASM	(NA)	(NA)	(NA)	117.3	1 972.2	42.6	86.4	602.3	6 074.6	9 255.6	15 285.7	597.3	771.8	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	117.5	1 849.8	43.7	89.5	566.2	5 348.2	8 599.9	13 908.8	651.9	703.7	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	119.0	1 751.0	45.2	91.6	544.5	5 016.1	7 563.5	12 544.0	565.2	676.4	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	115.1	1 592.7	44.3	88.8	486.1	4 627.0	6 822.0	11 417.0	490.5	635.3	(NA)	(NA)

See footnotes at end of table.

Table 1. Historical Statistics for the Industry: 1987 and Earlier Years—Con.

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix.]

Year[1]	Companies[2] (no.)	All establishments[2] Total (no.)	All establishments[2] With 20 employees or more (no.)	All employees Number (1,000)	All employees Payroll (million dollars)	Production workers Number (1,000)	Production workers Hours (millions)	Production workers Wages (million dollars)	Value added by manufacture[4] (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories[4] (million dollars)	Ratios Specialization (percent)	Ratios Coverage (percent)
INDUSTRY 2086, BOTTLED AND CANNED SOFT DRINKS—Con.															
1977 Census	1 757	2 192	1 286	114.1	1 448.8	43.4	89.3	444.8	4 084.5	5 958.6	10 007.2	423.6	551.7	98	97
1976 ASM	(NA)	(NA)	(NA)	121.8	1 363.6	44.5	89.9	406.8	3 555.5	5 238.9	8 780.1	325.2	459.7	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	116.7	1 209.6	42.6	84.2	359.3	3 321.1	5 272.1	8 601.6	219.2	447.1	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	113.7	1 056.2	40.7	80.7	310.3	2 592.7	4 177.6	6 713.2	195.3	419.1	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	117.0	1 025.3	44.8	89.8	310.5	2 332.7	3 358.9	5 671.0	237.7	320.0	(NA)	(NA)
1972 Census	2 273	2 687	1 556	121.1	984.4	45.6	91.9	297.5	2 336.7	3 128.8	5 453.8	207.1	281.0	98	97
INDUSTRY 2087, FLAVORING EXTRACTS AND SYRUPS, N.E.C.															
1987 Census	255	277	99	9.0	253.6	4.8	9.8	109.9	3 282.6	1 360.3	4 634.5	49.1	402.0	96	90
1986 ASM	(NA)	(NA)	(NA)	11.3	325.2	6.7	14.6	160.6	3 310.2	1 741.9	5 016.7	60.2	543.9	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	12.0	314.0	7.3	15.6	153.9	3 108.4	1 750.4	4 840.3	66.3	433.4	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	11.4	276.6	6.7	13.8	137.0	2 824.9	1 772.7	4 573.9	[r]77.3	389.4	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	11.7	244.2	6.7	13.2	113.5	2 698.1	1 605.7	4 289.1	39.8	377.8	(NA)	(NA)
1982 Census	297	343	131	11.6	237.3	6.5	13.3	109.1	2 669.8	1 569.3	4 236.8	57.1	338.5	93	88
1981 ASM	(NA)	(NA)	(NA)	10.9	206.1	6.6	13.7	104.7	2 093.6	1 760.7	3 855.3	[r]78.5	349.2	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	11.0	191.1	6.8	14.7	93.3	1 898.2	1 604.4	3 512.9	[r]64.1	354.1	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	10.1	158.1	6.3	13.5	86.0	1 661.2	1 302.0	2 957.9	[r]41.4	287.4	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	11.6	174.0	6.9	14.8	91.4	1 730.1	1 218.4	2 932.5	51.2	265.2	(NA)	(NA)
1977 Census	317	368	132	10.5	143.1	6.3	12.9	77.1	1 452.6	1 069.0	2 511.3	33.1	222.1	92	86
1976 ASM	(NA)	(NA)	(NA)	11.9	147.2	7.1	13.4	72.9	1 283.3	1 146.9	2 421.2	38.0	201.3	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	11.3	128.7	6.5	12.7	59.1	1 102.9	1 253.9	2 361.0	28.8	207.7	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	12.2	140.8	7.0	14.8	67.1	1 123.3	1 209.1	2 306.2	25.5	239.2	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	10.2	105.6	6.1	12.5	53.5	889.5	691.5	1 567.0	24.6	176.7	(NA)	(NA)
1972 Census	350	400	115	10.1	100.9	6.0	12.4	49.4	871.9	612.0	1 472.0	21.1	159.7	87	86

Note: Establishments of single unit companies with up to 20 employees (cutoff varied by industry) were excluded from the mail portion of the census. Data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were estimated based on administrative-record information from other agencies in conjunction with industry averages. These establishments accounted for the following percent of total value of shipments: SIC 2082, 1%; SIC 2083, 2%; SIC 2084, 9%; SIC 2085, 1%; SIC 2086, 13%; SIC 2087, 8%.

[1]In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1972, see 1972 Census of Manufactures, vol. II, table 1a of the industry chapter.

[2]For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

[3]Includes establishments with payroll at any time during year.

[4]Beginning with the 1982 Census of Manufactures, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior Censuses and annual surveys of manufactures in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, inventories and value added by manufacture are not comparable to prior-year data.

[r]Data either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data; thus, these estimates may be of limited reliability.

[r]Estimates for new capital expenditures have associated standard error of 15 percent or more and may be of limited reliability. Estimates for other data items are of acceptable reliability.

[7]Data in value of shipments column represent value of production rather than value of shipments. Consequently, formula for computing value added by manufacture was modified to exclude any change in finished products between beginning- and end-of-year inventories.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987 Number of companies with shipments of $100,000 or more	1987 Product shipments[1] Quantity[2]	1987 Product shipments[1] Value (million dollars)	1982 Number of companies with shipments of $100,000 or more	1982 Product shipments[1] Quantity[2]	1982 Product shipments[1] Value (million dollars)
2082- --	**MALT BEVERAGES**						
	Total	(NA)	(X)	13 504.5	(NA)	(X)	11 105.6
20821 --	Canned beer and ale case goods	(NA)	(X)	8 212.2	(NA)	(X)	5 964.9
20821 01	12 oz cans (1,000 barrels)	22	95 347.2	7 250.7	(NA)	(NA)	5 964.9
20821 02	16 oz cans do.	11	9 017.5	715.6			
20821 03	Other can sizes do.	5	2 929.4	245.9			
20821 00	Canned beer and ale case goods, n.s.k.	(NA)	(X)	-	(NA)	(X)	-
20822 --	Bottled beer and ale case goods	(NA)	(X)	4 068.3	(NA)	(X)	3 964.6
	Beer:						
	Returnable bottles:						
20822 22	Less than 12 oz bottles (1,000 barrels)	8	505.7	35.6	12	1 004.7	60.2
20822 24	12 oz bottles do.	21	10 566.8	895.8	29	11 926.5	729.3
20822 27	32 oz bottles do.	3	132.5	5.2	6	157.1	6.4
20822 28	All other bottle sizes do.	12	867.8	40.5	14	1 104.0	50.8
	Nonreturnable bottles:						
20822 32	Less than 12 oz bottles (1,000 barrels)	11	2 764.3	264.9	16	4 041.1	330.8
20822 34	12 oz bottles do.	21	26 869.3	2 363.5	31	34 032.5	2 439.3
20822 37	32 oz bottles do.	14	3 508.5	265.2	20	4 528.8	276.5
20822 38	All other bottle sizes do.	12	2 359.7	163.4	10	709.9	42.1
20822 41	Ale do.	7	393.1	34.2	6	452.1	38.2
20822 00	Bottled beer and ale case goods, n.s.k.	(NA)	(X)	-	(NA)	-	-

See footnotes at end of table.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987			1982		
		Number of companies with shipments of $100,000 or more	Product shipments[1]		Number of companies with shipments of $100,000 or more	Product shipments[1]	
			Quantity[2]	Value (million dollars)		Quantity[2]	Value (million dollars)
2082- --	**MALT BEVERAGES**—Con.						
20823 --	Beer and ale in barrels and kegs	(NA)	(X)	718.1	(NA)	(X)	686.7
20823 64	One-half barrel size, 1,000 barrels	22	19 447.0	665.9	27	21 621.7	632.2
20823 65	Other barrel sizes, do.	15	1 391.9	52.2	16	1 652.7	54.5
20823 00	Beer and ale in barrels and kegs, n.s.k.	(NA)	(X)	–	(NA)	–	–
20824 --	All other malt beverages and brewing products	(NA)	(X)	416.7	(NA)	(X)	441.8
20824 51	Malt liquors, in both cans and bottles, 1,000 barrels	7	(D)	(D)	6	5 686.7	361.3
	Brewers' spent grains:						
20824 93	Dry, 1,000 s tons	4	(D)	(D)	11	341.9	34.9
20824 95	Wet (dry weight equivalent or actual weight of dry grains employed in the manufacture), do.	10	2 219.9	24.6	11	1 988.4	29.3
20824 99	All other malt beverages and brewery products, including porter, stout and other fermented malt beverages, bulk transfers, and malt extract	(NA)	(X)	12.3	(NA)	(NA)	16.3
20824 00	All other malt beverages and brewing products, n.s.k.	(NA)	(X)	–	(NA)	–	–
20820 --	Malt beverages and brewing byproducts, n.s.k.	(NA)	(X)	89.2	(NA)	(X)	27.6
20820 00	Malt beverages and brewing byproducts, n.s.k., typically for establishments with 5 employees or more (see note)	(NA)	(X)	27.9	(NA)	(X)	14.7
20820 02	Malt beverages and brewing byproducts, n.s.k., typically for establishments with less than 5 employees (see note)	(NA)	(X)	61.3	(NA)	(X)	12.9
2083- --	**MALT**						
	Total	**(NA)**	**(X)**	**530.0**	**(NA)**	**(X)**	**654.7**
20830 --	Malt and malt byproducts:						
20830 00	Barley, rye, wheat, corn, and rice malt sprouts and malt byproducts (screenings, chaff, and skimmings, etc.) (dry weight equivalent), mil lb	14	6 537.6	524.5	24	4 972.0	651.5
20830 02	Malt and malt byproducts, n.s.k., typically for establishments with less than 5 employees (see note)	(NA)	(X)	5.5	(NA)	(X)	2.9
2084- --	**WINES, BRANDY, AND BRANDY SPIRITS**						
	Total	**(NA)**	**(X)**	**3 123.1**	**(NA)**	**(X)**	**2 719.5**
20840 --	Wines, brandy, and brandy spirits:						
	Grape wines, 14 percent or less:						
20840 12	White, mil wine gal	101	342.0	1 126.5	71	369.4	1 105.5
20840 14	Red, do.	89	119.6	421.4	70	135.6	376.9
20840 16	Rosé, do.	49	78.8	237.8	43	102.0	289.8
20840 19	Other fruit and berry wines, 14 percent or less, do.	7	9.0	29.2	12	24.7	61.6
20840 25	Dessert wines (excluding specialties), do.	21	57.4	175.3	29	58.8	201.6
20840 31	Effervescent wines, including sparkling wines (naturally and artificially carbonated), do.	21	36.5	223.4	24	31.1	247.3
	Specialties:						
20840 41	Vermouth, mil wine gal	8	3.3	15.5	10	4.1	19.9
20840 45	Wine coolers, do.	11	106.0	384.0	7	15.3	62.6
20840 46	Other specialty wines, do.	10	9.3	47.5			
20840 65	Beverage brandy, neutral fruit spirits and neutral brandy, excluding neutral citrus residue brandy, mil tax gal	14	35.7	163.1	19	40.7	177.6
20840 81	Wine removed from fermenters, mil wine gal	(NA)	[3]125.1	(X)	(NA)	[3]463.6	(X)
20840 85	Brandy and spirits removed from receiving tanks, mil tax gal	(NA)	[4]4.7	(X)	(NA)	[3]2.4	(X)
20840 00	Wines, brandy, and brandy spirits, n.s.k., typically for establishments with 10 employees or more (see note)	(NA)	(X)	88.8	(NA)	(X)	85.5
20840 02	Wines, brandy, and brandy spirits, n.s.k., typically for establishments with less than 10 employees (see note)	(NA)	(X)	210.6	(NA)	(X)	91.2

1987 product code	Product	1987			1982		
		Number of companies with production of $100,000 or more	Total production[1]		Number of companies with production of $100,000 or more	Total production[1]	
			Quantity[2]	Value (million dollars)		Quantity[2]	Value (million dollars)
2085- --	**DISTILLED AND BLENDED LIQUORS**						
	Total	**(NA)**	**(X)**	**3 145.3**	**(NA)**	**(X)**	**2 809.3**
20851 --	Distilled liquor, except brandy	(NA)	(X)	454.0	(NA)	(X)	345.4
	Whiskey (raw):						
20851 13	Bourbon and rye, mil proof gal	10	27.7	96.8	14	74.0	148.5
20851 19	Other, do.	6	1.4	2.1	5	6.5	6.5
20851 31	Grain neutral spirits, including neutral citrus residue brandy, do.	7	25.8	38.0	6	114.8	82.6
20851 43	Vodka (including original and continuous distillation and/or processing operations), do.	6	23.1	84.2	6	22.3	18.8
20851 48	Other distilled liquors, including rum, gin, and cane neutral spirits, do.	7	24.9	117.4	(NA)	(NA)	30.0
20851 65	Distillers' dried grains, dark and light, and dried solubles, 1,000 s tons	12	879.2	114.0	11	447.8	58.8
20851 00	Distilled liquor, except brandy, n.s.k.	(NA)	(X)	1.5	(NA)	(X)	.2

See footnotes at end of table.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987[1]			1982		
		Number of companies with production of $100,000 or more	Total production[1]		Number of companies with production of $100,000 or more	Total production[1]	
			Quantity[2]	Value (million dollars)		Quantity[2]	Value (million dollars)
2085- --	**DISTILLED AND BLENDED LIQUORS**—Con.						
20853 --	Bottled liquor, except brandy	(NA)	(X)	*2 622.4	(NA)	(X)	*2 411.3
	Whiskey:						
20853 11	Unprocessed whiskey, mil wine gal	10	22.3	352.9	12	14.1	117.6
20853 13	Blends of whiskey, do	12	18.2	176.6	13	35.9	264.3
20853 16	Blends with neutral spirits, do	18	9.3	76.2	15	16.8	107.4
20853 18	Other whiskey, do	23	47.9	514.7	21	92.6	785.7
20853 22	Gin, do	26	25.8	155.2	25	30.8	162.0
20853 25	Cordials, liqueurs, do	23	38.5	429.5	24	40.1	253.0
20853 27	Cocktails and similar compounds, do	8	10.2	94.3	9	7.3	66.6
20853 31	Vodka, do	29	71.0	341.0	33	78.0	444.1
20853 35	Rum, do	18	9.0	55.6	17	5.0	27.1
20853 41	Other bottled liquors (excluding bottled in bond), do	20	13.5	119.3	22	21.0	132.1
	Bottled in bond:						
20853 63	Whiskey, mil wine gal	7	(D)	(D)	7	2.2	24.5
20853 81	Other, do	2	(D)	(D)	(NA)	-	-
20853 00	Bottled liquor, except brandy, n.s.k	(NA)	(X)	-	(NA)	(X)	26.9
20850 --	Distilled and blended liquors, n.s.k	(NA)	(X)	68.9	(NA)	(X)	52.6
20850 00	Distilled and blended liquors, n.s.k., typically for establishments with 10 employees or more (see note)	(NA)	(X)	56.8	(NA)	(X)	45.8
20850 02	Distilled and blended liquors, n.s.k., typically for establishments with less than 10 employees (see note)	(NA)	(X)	12.1	(NA)	(X)	6.9

1987 product code	Product	1987			1982		
		Number of companies with shipments of $100,000 or more	Product shipments[1]		Number of companies with shipments of $100,000 or more	Product shipments[1]	
			Quantity[2]	Value (million dollars)		Quantity[2]	Value (million dollars)
2086- --	**BOTTLED AND CANNED SOFT DRINKS**						
	Total	**(NA)**	**(X)**	**19 807.3**	**(NA)**	**(X)**	**15 056.8**
20863 --	Bottled carbonated soft drinks	(NA)	(X)	6 411.7	(NA)	(X)	5 880.0
	Bottled carbonated soft drinks in refillable glass bottles:						
20863 10	Total, mil cases, 192 oz case equiv	196	*301.7	330.0	(NA)	(NA)	(NA)
	Regular:						
20863 11	Drinks containing some real juice, mil cases, 192 oz case equiv	(NA)	8.6	(X)	(NA)	(NA)	(X)
20863 12	Drinks containing kola extract, except those with some real juice, do	(NA)	147.5	(X)	(NA)	(NA)	(X)
20863 13	Lemon, lime, and lemon/lime combinations, except those with some real juice, do	(NA)	24.0	(X)	(NA)	(NA)	(X)
20863 14	Other carbonated flavors, including club soda, except those with some real juice, do	(NA)	42.1	(X)	(NA)	(NA)	(X)
	Diet:						
20863 15	Drinks containing some real juice, mil cases, 192 oz case equiv	(NA)	5.3	(X)	(NA)	(NA)	(X)
20863 16	Drinks containing kola extract, except those with some real juice, do	(NA)	48.6	(X)	(NA)	(NA)	(X)
20863 17	Lemon, lime, and lemon/lime combinations, except those with some real juice, do	(NA)	9.7	(X)	(NA)	(NA)	(X)
20863 18	Other carbonated flavors, including carbonated waters and club soda, except those with some real juice, do	(NA)	12.4	(X)	(NA)	(NA)	(X)
	Bottled carbonated soft drinks in nonrefillable glass bottles:						
20863 20	Total, mil cases, 192 oz case equiv	209	*411.5	1 689.1	(NA)	(NA)	(NA)
	Regular:						
20863 21	Drinks containing some real juice, mil cases, 192 oz case equiv	(NA)	24.0	(X)	(NA)	(NA)	(X)
20863 22	Drinks containing kola extract, except those with some real juice, do	(NA)	168.0	(X)	(NA)	(NA)	(X)
20863 23	Lemon, lime, and lemon/lime combinations, except those with some real juice, do	(NA)	30.3	(X)	(NA)	(NA)	(X)
20863 24	Other carbonated flavors, including club soda, except those with some real juice, do	(NA)	85.2	(X)	(NA)	(NA)	(X)
	Diet:						
20863 25	Drinks containing some real juice, mil cases, 192 oz case equiv	(NA)	7.1	(X)	(NA)	(NA)	(X)
20863 26	Drinks containing kola extract, except those with some real juice, do	(NA)	62.0	(X)	(NA)	(NA)	(X)
20863 27	Lemon, lime, and lemon/lime combinations, except those with some real juice, do	(NA)	8.0	(X)	(NA)	(NA)	(X)
20863 28	Other carbonated flavors, including carbonated waters and club soda, except those with some real juice, do	(NA)	18.9	(X)	(NA)	(NA)	(X)

See footnotes at end of table.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987			1982		
		Number of companies with shipments of $100,000 or more	Product shipments[1]		Number of companies with shipments of $100,000 or more	Product shipments[1]	
			Quantity[2]	Value (million dollars)		Quantity[2]	Value (million dollars)
2086- --	**BOTTLED AND CANNED SOFT DRINKS**—Con.						
20863 —	Bottled carbonated soft drinks—Con.						
	Bottled carbonated soft drinks in plastics bottles:						
20863 30	Total ..... mil cases, 192 oz case equiv...	225	*1 099.2	3 792.6	(NA)	(NA)	(NA)
	Regular:						
20863 31	Drinks containing some real juice ..... mil cases, 192 oz case equiv...	(NA)	50.9	(X)	(NA)	(NA)	(X)
20863 32	Drinks containing kola extract, except those with some real juice ..... do...	(NA)	458.6	(X)	(NA)	(NA)	(X)
20863 33	Lemon, lime, and lemon/lime combinations, except those with some real juice ..... do...	(NA)	87.5	(X)	(NA)	(NA)	(X)
20863 34	Other carbonated flavors, including club soda, except those with some real juice ..... do...	(NA)	211.9	(X)	(NA)	(NA)	(X)
	Diet:						
20863 35	Drinks containing some real juice ..... mil cases, 192 oz case equiv...	(NA)	18.4	(X)	(NA)	(NA)	(X)
20863 36	Drinks containing kola extract, except those with some real juice ..... do...	(NA)	173.7	(X)	(NA)	(NA)	(X)
20863 37	Lemon, lime, and lemon/lime combinations, except those with some real juice ..... do...	(NA)	30.1	(X)	(NA)	(NA)	(X)
20863 38	Other carbonated flavors including carbonated waters and club soda, except those with some real juice ..... mil cases...	(NA)	38.3	(X)	(NA)	(NA)	(X)
20863 00	Bottled carbonated soft drinks, n.s.k.	(NA)	(X)	-	(NA)	(NA)	(X)
20864 —	Canned carbonated soft drinks	(NA)	(X)	7 161.2	(NA)	(X)	4 315.2
20864 10	Total ..... mil cases, 192 oz case equiv...	182	*2 116.7				
	Regular:						
20864 11	Drinks containing some real juice ..... mil cases, 192 oz case equiv...	(NA)	123.7	(X)	(NA)	(NA)	(X)
20864 12	Drinks containing kola extract, except those with some real juice ..... do...	(NA)	799.6	(X)	(NA)	(NA)	(X)
20864 13	Lemon, lime, and lemon/lime combinations, except those with some real juice ..... do...	(NA)	147.2	(X)	(NA)	(NA)	(X)
20864 14	Other carbonated flavors, including club soda, except those with some real juice ..... do...	(NA)	345.8	(X)	(NA)	(NA)	(X)
	Diet:						
20864 15	Drinks containing some real juice ..... mil cases, 192 oz case equiv...	(NA)	38.4	(X)	(NA)	(NA)	(X)
20864 16	Drinks containing kola extract, except those with some real juice ..... do...	(NA)	386.3	(X)	(NA)	(NA)	(X)
20864 17	Lemon, lime, and lemon/lime combinations, except those with some real juice ..... do...	(NA)	43.8	(X)	(NA)	(NA)	(X)
20864 18	Other carbonated flavors, including carbonated waters and club soda, except those with some real juice ..... do...	(NA)	82.8	(X)	(NA)	(NA)	(X)
20864 00	Canned carbonated soft drinks, n.s.k.	(NA)	(X)	-	(NA)	(NA)	(X)
20865 —	Soft drink flavoring syrup sold in bulk	(NA)	(X)	842.2	(NA)	(X)	517.4
20865 01	Postmix ..... mil gal...	177	321.8	644.1	(NA)	**348.8	517.4
20865 02	Premix ..... do...	145	*85.8	198.0			
20865 00	Soft drink flavoring syrup sold in bulk, n.s.k.	(NA)	(X)	-	(NA)	(X)	(X)
20866 —	Noncarbonated soft drinks	(NA)	(X)	2 421.2	(NA)	(X)	1 250.1
	Fruit drinks, cocktails, and ades containing some real juice (with added sugar, citrus acid, etc.):						
20866 01	16.9 oz (1/2 liter) container or less ..... mil gal...	84	**183.5	464.9	(NA)	(NA)	830.5
20866 02	Other size containers (cartons, bottles, cans, etc.) ..... do...	122	673.4	1 246.6			
20866 03	Concentrates ..... do...	24	58.1	160.5	13	19.8	*78.0
	Fruit drinks, cocktails, and ades, containing no real juice (with added sugar, citric acid, etc.):						
20866 04	16.9 oz (1/2 liter) container or less ..... mil gal...	6					
20866 05	Other size containers (cartons, bottles, cans, etc.) ..... do...	10	69.1	289.0	29	(NA)	176.7
20866 06	Concentrates ..... do...	6	(S)	8.3	(NA)	(NA)	(*)
20866 07	Canned iced tea, with or without flavorings (cases of 24) ..... mil cases...	21	*13.1	43.1	(NA)	(S)	164.9
20866 09	Bottled water, processed or pasteurized (excluding natural spring water, artificially carbonated water, mineral water, distilled water, and sterile water for injections) ..... mil gal...	14	*110.8	172.5	(NA)	(X)	(*)
20866 00	Noncarbonated soft drinks, n.s.k.	(NA)	(X)	30.2	(NA)	(X)	(X)
20860 —	Bottled and canned soft drinks, n.s.k.	(NA)	(X)	2 971.0	(NA)	(X)	*2 894.3
20860 00	Bottled and canned soft drinks, n.s.k., typically for establishments with 20 employees or more (see note)	(NA)	(X)	2 671.3	(NA)	(X)	*2 653.1
20860 02	Bottled and canned soft drinks, n.s.k., typically for establishments with less than 20 employees (see note)	(NA)	(X)	299.7	(NA)	(X)	241.2
2087- --	**FLAVORING EXTRACTS AND SYRUPS, N.E.C.**						
	Total	**(NA)**	**(X)**	**4 900.1**	**(NA)**	**(X)**	**4 455.8**
20871 —	Flavoring extracts, emulsions, and other liquid flavors	(NA)	(X)	471.7	(NA)	(X)	346.5
	Natural or true:						
20871 11	8 oz containers or less ..... mil gal...	22	(S)	82.9	23	(S)	81.3
20871 15	More than 8 oz containers ..... do...	60	86.2	146.9	50	(S)	121.8
20871 53	Imitation ..... do...	36	15.7	158.1	39	**14.8	113.2

See footnotes at end of table.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with shipments of $100,000 or more	Product shipments[1]		Number of companies with shipments of $100,000 or more	Product shipments[1]	
			Quantity[2]	Value (million dollars)		Quantity[2]	Value (million dollars)
2087- --	FLAVORING EXTRACTS AND SYRUPS, N.E.C.—Con.						
20871 —	Flavoring extracts, emulsions, and other liquid flavors—Con.						
20871 00	Flavoring extracts, emulsions, and other liquid flavors, n.s.k.	(NA)	(X)	33.7	(NA)	(X)	30.2
20872 —	Liquid beverage bases not for use by soft drink bottlers	(NA)	(X)	72.2	(NA)	(X)	177.9
20872 15	Cocktail mixes, mil gal	17	*7.9	38.1	15	7.5	44.2
20872 21	Other liquid beverage bases, do	17	4.6	27.7	28	27.2	119.9
20872 00	Liquid beverage bases not for sale by soft drink bottlers, n.s.k.	(NA)	(X)	6.4	(NA)	(X)	13.9
20873 —	Liquid beverage bases for use by soft drink bottlers	(NA)	(X)	2,186.3	(NA)	(X)	1,650.6
	For sale to soft drink bottlers:						
20873 21	Concentrates with some juice content, mil cases, 192 oz case equiv.	11	154.7	176.7			
20873 23	Other concentrates, do	15	3,072.2	1,785.7			
20873 25	Syrups, do	5	167.7	124.6			
	For sale to trade or nonbottler distributors:						
20873 41	Concentrates with some juice content, mil cases, 192 oz case equiv.				(NA)	1,061.7	1,843.5
20873 43	Other concentrates, do	5	(S)	16.0			
20873 45	Syrups, do	4	(D)	(D)			
20873 00	Liquid beverage bases for use by soft drink bottlers, n.s.k.	12	27.6	41.6			
		(NA)	(X)	(D)	(NA)	(X)	7.0
20874 —	Other flavoring agents (except chocolate syrups)	(NA)	(X)	1,800.7	(NA)	(X)	1,758.3
	Flavoring powders, tablets, and pastes:						
20874 35	Soft drink (effervescent and noneffervescent), mil lb	15	109.0	441.7			
20874 37	Other flavoring powders, tablets, and paste, including dry mix cocktails, do	25	186.3	376.9	(NA)	599.7	766.5
20874 59	Flavoring syrups for fountain, ice cream, and home beverage use (excluding liquid beverage bases and soft drinks in bulk), mil gal	31	169.6	744.5	38	208.9	674.7
20874 61	Fruit, crushed or whole, for fountain and ice cream use, do	19	16.9	115.9	23	12.4	66.5
20874 71	Food coverings	11	(X)	72.0	12	(X)	69.2
20874 81	Concentrated fruit juice products (not frozen, not hot pack), for fountain use, mil gal	11	12.4	27.4	28	92.2	132.8
20874 00	Other flavoring agents, except chocolate syrups, n.s.k.	(NA)	(X)	22.3	(NA)	(X)	48.6
20870 —	Flavoring extracts and flavoring syrups, n.e.c., n.s.k.	(NA)	(X)	369.3	(NA)	(X)	322.5
20870 00	Flavoring extracts and flavoring syrups n.e.c., n.s.k., typically for establishments with 10 employees or more (see note)	(NA)	(X)	213.8	(NA)	(X)	260.2
20870 02	Flavoring extracts and flavoring syrups n.e.c., n.s.k., typically for establishments with less than 10 employees (see note)	(NA)	(X)	155.5	(NA)	(X)	62.3

Note: In 1987 Census of Manufactures, data for establishments of small single unit companies with up to 20 employees were estimated from administrative-record data rather than data actually collected from respondents. Employment cutoffs used for administrative-records for each industry and shipments figures are included in code ending with "002". In both 1987 and 1982 Censuses of Manufactures, products not completely identified on standard forms were coded in appropriate product class (five-digit) followed by "00" or to appropriate product group code (four-digit) followed by "000".

[1]Data reported by all producers, not just those with shipments of $100,000 or more.

[2]For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: * 10 to 19 percent estimated; ** 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

[3]Data for quantity represent production rather than shipments.

[4]Figure does not represent entire production of bottled distilled liquor; establishments bottling purchased distilled liquor without further processing are classified in wholesale trade, industry 5182, Wines and Distilled Alcoholic Beverages.

[5]Quantity total product codes 2086310, 2086320, 2086330, 2086410, will not equal summation of subsequent quantity totals 2086311 to 2086316, 2086321 to 2086328, 2086331 to 2086338, 2086411 to 2086418, respectively, due to a small number of establishments providing only overall total quantity, not specifying quantity by Flavor.

[6]Product codes 2086600 and 2086606 were combined for 1982.

[7]For 1982, product code 2086699 was included with product code 2086000.

Table 3. **Materials Consumed by Kind: 1987 and 1982**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 material code	Material	1987		1982	
		Quantity[1]	Delivered cost (million dollars)	Quantity[1]	Delivered cost (million dollars)
	INDUSTRY 2082, MALT BEVERAGES				
	Materials, ingredients, containers, and supplies	(X)	6 021.2	(X)	6 348.7
204401	Milled rice, including brewer's rice, screenings, second heads, etc	(D)	(D)	(D)	(D)
011913	Barley, mil bushels	(D)	(D)	40.6	69.2
011522	Corn (purchased as grain), do	13.5	50.3	*11.5	54.9
206011	Sugar (cane and beet) in terms of sugar solids, 1,000 s tons	(D)	(D)	(D)	(D)
208301	Malt, 1,000 cwt	40 612.7	553.4	44 298.7	700.5
	Containers:				
265001	Paperboard containers, boxes, and corrugated paperboard	(X)	433.6	(X)	305.2
322103	Glass containers, excluding those capitalized	(X)	1 285.1	(X)	(D)
341101	Metal cans	(X)	2 772.3	(X)	2 612.0
970099	All other materials, ingredients, containers, and supplies	(X)	657.5	(X)	1 066.7
971000	Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	43.8	(X)	17.4
	INDUSTRY 2083, MALT				
	Materials, ingredients, containers, and supplies	(X)	326.5	(X)	424.9
011913	Barley, mil bushels	123.3	314.4	116.6	405.5
970099	All other materials, ingredients, containers, and supplies	(X)	9.2	(X)	17.5
971000	Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	2.9	(X)	1.8
	INDUSTRY 2084, WINES, BRANDY, AND BRANDY SPIRITS				
	Materials, ingredients, containers, and supplies	(X)	1 739.8	(X)	1 689.9
017211	Grapes, 1,000 s tons	2 578.3	487.5	3 340.1	578.3
208401	Wines purchased for blending, mil wine gal	226.1	299.7	231.2	396.2
208402	Wines purchased for other purposes, do	1.7	5.1		
265021	Paperboard boxes and containers used for wine and brandy	(X)	26.7	(X)	23.9
322105	Glass containers used for wine and brandy, 1,000 gross	15 244.3	449.6	*9 626.9	334.1
190016	All other materials, ingredients, containers, and supplies	(X)	298.2	(X)	258.0
971000	Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	172.8	(X)	99.4
	INDUSTRY 2085, DISTILLED AND BLENDED LIQUORS				
	Materials, ingredients, containers, and supplies	(X)	1 200.0	(X)	1 404.0
	Materials used in grain distilling:				
011521	Corn, mil bushels	12.0	28.4	22.9	73.8
011951	Rye, do	1.4	3.6	2.1	10.3
208301	Malt, 1,000 cwt	**558.3	6.6	1 127.3	14.6
244950	Cooperage, including new and recoopered used, mil units	294.7	22.8	1 566.1	80.4
190017	All other materials, ingredients, containers, and supplies used in distilling operations	(X)	24.6	(X)	49.3
	Materials used in bottling:				
	Neutral spirits:				
208512	Used in the processing of whiskey, mil tax gal	19.7	15.4	19.5	20.4
208514	Used in the processing of vodka, do	68.9	82.3	72.1	80.2
208516	Used in the processing of gin, do	30.0	23.1	27.1	29.4
208518	Used in the processing of other liquor, do	27.4	117.1	88.0	92.6
208513	Aged whiskey, do	63.1	196.3	111.3	288.0
265022	Paperboard boxes and containers used for distilled liquor	(X)	15.0	(X)	10.9
322106	Glass containers used for distilled liquor, 1,000 gross	14 291.2	360.1	9 970.8	417.4
190018	All other materials, ingredients, containers, and supplies used in bottling operations	(X)	285.9	(X)	168.1
971000	Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	18.6	(X)	68.6
	INDUSTRY 2086, BOTTLED AND CANNED SOFT DRINKS				
	Materials, ingredients, containers, and supplies	(X)	11 560.5	(X)	8 412.3
	Sweeteners:				
206011	Sugar (cane and beet) in terms of sugar solids, 1,000 s tons	*233.6	75.1	*1 112.6	543.3
204604	High fructose corn syrup in terms of solids, mil lb	*6 225.8	838.7	*2 110.9	313.2
200615	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar, etc., in terms of solids, do	*209.0	32.2	*265.9	36.2
286934	Artifical sweeteners in terms of solids, do	*172.8	13.5		
	Liquid beverage bases:				
208721	Concentrates with some juice content, mil cases (192 oz)	*386.9	317.6	(X)	533.3
208723	Other concentrates, do	2 748.9	2 156.0		
208725	Syrups, do	579.3	685.6	**451.9	1 021.9
203348	Concentrated fruit juices, mil gal	20.5	119.4	28.6	117.9
	Containers:				
190050	Plastics wrappings, trays, carriers, etc., including preforms	(X)	182.7	(X)	(3)
265001	Paperboard containers, boxes, and corrugated paperboard	(X)	173.6	(X)	176.1
265000	Fiber containers including aseptic packages, drums, etc	(X)	30.0	(X)	(3)
308014	Plastics bottles and cans	(X)	1 069.7	(X)	(3)
322107	Refillable glass containers with or without paperboard wrapping (excluding those capitalized)	(X)	30.9	(X)	1 169.1
322108	Nonrefillable glass containers with or without paperboard wrapping or plastics shielding	(X)	626.4		
341101	Metal cans	(X)	2 560.9	(X)	1 865.9
341220	Metal barrels, drums, and tanks	(X)	1.8	(X)	(3)
970099	All other materials, ingredients, containers, and supplies	(X)	875.6	(X)	1 094.9

See footnotes at end of table.

Table 3. **Materials Consumed by Kind: 1987 and 1982**—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 material code	Material	1987		1982	
		Quantity[1]	Delivered cost (million dollars)	Quantity[1]	Delivered cost (million dollars)
	INDUSTRY 2086, BOTTLED AND CANNED SOFT DRINKS—Con.				
971000	Materials, ingredients, containers, and supplies, n.s.k.[1]	(X)	1 770.8	(X)	1 540.5
	INDUSTRY 2087, FLAVORING EXTRACTS AND SYRUPS, N.E.C.				
	Materials, ingredients, containers, and supplies	**(X)**	**1 291.3**	**(X)**	**1 489.5**
	Sweeteners:				
206011	Sugar (cane and beet) in terms of sugar solids, 1,000 s tons	104.0	54.6	587.4	280.7
204604	High fructose corn syrup in terms of solids, mil lb	1 463.9	209.4		
209615	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar, etc., in terms of solids, do	70.7	9.4	1 445.9	258.1
289934	Artificial sweeteners in terms of solids, do	1 842.0	117.6		
	Liquid beverage bases:				
208721	Concentrates with some juice content, mil cases	(S)	17.9		
208723	Other concentrates, do	(S)	73.0	(X)	89.9
208725	Syrups, do	7.5	10.3	14.0	37.3
203346	Concentrated fruit juices, mil gal	3.3	28.8	4.5	28.3
	Containers:				
190050	Plastics wrappings, trays, carriers, etc., including preforms	(X)	1.9		
265001	Paperboard containers, boxes, and corrugated paperboard	(X)	40.6		
265002	Fiber containers including aseptic packages, drums, etc	(X)	3.5		
308014	Plastics bottles and cans	(X)	18.6		
322107	Refillable glass containers with or without paperboard wrapping (excluding those capitalized)	(X)	5.7	(X)	417.8
322109	Nonrefillable glass containers with or without paperboard wrapping or plastics shielding	(X)	7.2		
341101	Metal cans	(X)	14.6		
341220	Metal barrels, drums, and tanks	(X)	3.5		
970099	All other materials, ingredients, containers, and supplies	(X)	537.5		
971000	Materials, ingredients, containers, and supplies, n.s.k.[1]	(X)	136.8	(X)	174.5

[1] For some establishments, data have been estimated from central unit values which are based on quantity-cost relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: * 10 to 19 percent estimated; ** 20 to 29 percent estimated; * 30 percent or more is estimated, figure is replaced by (S).

[2] Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form.

[3] For 1982, material codes 190050, 265000, 308014, and 341220 were included with material code 970099.

APPENDIX
Scope and Coverage and Explanation of Terms

GENERAL

The 1987 Census of Manufactures is the 32nd census of manufacturing establishments conducted in the United States. For 1987, it was conducted as part of the economic censuses, which included the censuses of mineral industries, construction industries, retail and wholesale trades, service industries, selected transportation activities, and minority-owned and women-owned businesses, under authority of title 13 of the United States Code. Title 13 specifies that an economic census be conducted every 5 years to cover years ending in 2 and 7.

SCOPE AND COVERAGE

Establishment Basis of Reporting

The census of manufactures is conducted on an establishment basis. All manufacturing establishments with one paid employee or more at any time during the year are covered by the census of manufactures. Therefore, a company operating at more than one location is required to file a separate report for each location. This report excludes information for separately operated administrative offices, warehouses, garages, and other auxiliary units which service manufacturing establishments of the same company. Where these auxiliary operations are conducted at the same location as the manufacturing operation, they are usually included in the report for the operating manufacturing establishment.

Use of Administrative Records

From a universe of approximately 350,000 manufacturing establishments in the 1987 Census of Manufactures, approximately 150,000 small single-establishment companies were excused from filing reports. Selection of the small establishment nonmail cases was done on an industry-by-industry basis. A variable cutoff was used to determine those establishments for which administrative records were to be used in place of a census report. The cutoffs were selected so the administrative-record cases would account for approximately 3 percent or less of the value of shipments for the industry. These cutoffs were then adjusted so that all single-establishment companies with less than 5 employees were excluded from the mail canvass, while all establishments with more than 20 employees were included. Where establishments in the 5 to 20 employee size range were included in the mail canvass, an abbreviated census form was frequently used.

For these nonmail establishments, (and a small number of larger establishment whose reports were not received at the time the data were tabulated) data on employment, payroll, and receipts were obtained from administrative records of other government agencies rather than from census forms. The administrative-record information was then used in conjunction with industry averages to estimate the data for these establishments. The value of shipments and cost of materials were not distributed among specific products and materials but were included in the product and material "not specified by kind" (n.s.k.) categories.

EXPLANATION OF TERMS

Number of establishments and companies–A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

All employees–Includes all full-time and part-time employees on the payrolls at any time during the year. Included are all persons on paid sick leave, paid holidays, and paid vacations. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average of those for midmonth payroll periods of March, May, August, and November.

Production workers–Includes workers up through the working-supervisor level engaged in fabricating, processing, assembling, inspecting, receiving, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., powerplant), recordkeeping, and other closely associated services. Truckdrivers delivering ready-mixed concrete are also included in production workers.

Other employees–Includes nonproduction personnel, including those engaged in the following activities: supervision above working-supervisor level, sales (including driver/salespersons), sales delivery (truckdrivers and helpers), advertising, credit collection, installation and

servicing of own product, clerical and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria, etc.), professional, and technical employees.

Payroll–Includes the gross earnings for the "employees" defined above, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Respondents were told that in reporting they could follow the definition of payrolls used for calculating the Federal withholding tax.

Production-worker hours–Covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee was not at the plant.

Cost of materials–Refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuels consumed, regardless of whether they were purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (a) all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (b) electric energy purchased; (c) fuels consumed for heat, power, or generating electricity; (d) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (e) products bought and resold in the same condition.

Specific materials consumed (table 3)–In addition to the total cost of materials which every establishment was required to report, information was also collected for most manufacturing industries on the consumption of major materials used in manufacturing. These inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. Establishments consuming less than a specified amount (usually $10,000) of a specific material were not requested to report consumption of that material separately. Also, the cost of materials for the small establishments for which administrative records were used was estimated as "not specified by kind" (n.s.k.).

Value of shipments and other receipts–Generally refers to received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts such as receipts for contract work performed for others, installation and repair receipts, sale of scrap, and sale of products bought and resold without further processing. Included are all items made by or for the establishment from materials owned by it whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In a few industries, the value of production or value of work completed is used instead of value of shipments. These industries are identified in the introduction and are footnoted in table 1.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, that is, including not only the direct costs of production but also a reasonable proportion of "all other costs" (including company overhead and profit).

Shipments or production of individual products (table 2)–In the 1987 census, detailed shipment information was collected for approximately 11,000 individual products. These products are identified by a seven-digit code and are grouped into approximately 1,500 classes of products, which in turn are primary to 459 four-digit industries. Data at the five-digit product-class level have been collected each year as part of the annual survey of manufactures. Information at the seven-digit level, collected for many industries in the current industrial reports program, is not included in this table.

Value added by manufacture–This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments for products manufactured plus receipts for services rendered. The result of this calculation is then adjusted by the addition of value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacturing, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

For those industries where value of production is collected instead of value of shipments (see footnote in table 1), value added is adjusted only for the change in work-in-process inventories between the beginning and end of the year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

Value added avoids the duplication in the figure for value of shipments which results from the use of products of some establishments as materials by others. Value

added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Expenditures for new plant and equipment–Establishments in operation and any known plants under construction were asked to report their expenditures for (a) permanent additions and major alterations to manufacturing establishments and (b) new machinery and equipment used for replacement and additions to plant capacity if they are of the type for which depreciation accounts are ordinarily maintained.

These totals exclude expenditures for used plant and equipment, expenditures for land, and cost of maintenance and repairs charged as current operating expenses. Data for used plant and equipment will be published in the final industry bulletin.

End-of-year inventories–Comprised of (a) finished products; (b) work-in-process; and (c) materials, supplies, fuels, etc. Beginning in 1982, respondents were asked to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method. Therefore, 1982 through 1987 data for inventories are not strictly comparable to prior-year data.

Specialization and coverage ratios–An establishment is classified in a particular industry if its shipments of primary products of the industry exceed in value its shipments of the products of any other single industry. An establishments' shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.). The following ratios have been developed to measure the relationship of primary product shipments to the data on shipments for the industry shown in table 1 and data on product shipments shown in table 2.

Specialization ratio–Represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

Coverage ratio–Represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments, wherever classified.